

CLASSIFICATION SECRET

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY East Germany

DATE DISTR. 29 December 1952

SUBJECT Developments at the RFT Koepenick

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THIS IS UNEVALUATED INFORMATION

1. During the past several years RFT Koepenick has been copying an instrument produced by Atlas Werke in Bremen. This instrument is known as a "Flachlot"- a depth sounding device- and is used to measure water depths up to 120 meters. Of six such instruments built, three have gone to the Soviet Control Commission. These were returned as not usable.
2. Work is presently being done on the development of an electronic depth sounding device for a depth up to 1200 meters. So far only one such instrument is being constructed. Nickel and new types of quartz, both found in the DDR, and new silicone lacquers developed in the DDR, are being used in its construction. One Litvinov (fnu) from either SKK or SAC Kabel is very much interested in the development of this instrument. The instrument is described as an "echograph" with a limiter condenser producing discharges at intervals of 0.6 microseconds. If proven satisfactory, 45 such instruments are to be delivered to an office in Magdeburg. Details of this project are unknown. The first instrument is to be tested in Leipzig. It is expected that 25 to 30 such instruments will be completed during 1953 for domestic consumption. As yet none of these have been ordered by the Soviets but if tests are successful it is felt such orders will be forthcoming.
3. Research is also being done at RFT Koepenick on a "Flachlot" which is believed to be of interest to Soviet river navigation authorities. Its function is that of a depth sounding device which will sound to minimum depths of 20 cm. below the hull of a ship. In this instrument both quartz and titanic oscillators will be used.
4. An order has gone out from the Seehydrographischer Dienst of the Seepolizei for the development of an underwater sounding device for harbor entrances (Hafenbojen-fahrtgeraet). This will consist of a circular depth sounding apparatus (Rundstrahlecholet) with a maximum horizontal-arc scanning coverage of 60 degrees. There is believed to be considerable Soviet interest in this device.
5.
 - a. VVB RFT, located at Platz des Friedens 9 in Leipzig, is presently only an administrative body. All non-administrative matters are handled directly by the Postal and Telecommunications Ministry.

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- b. VEB RFT in Leipzig is concerned with the construction of radio instruments.
- c. ENKO (Entwicklungs und Konstruktionsbureau--Development and Construction Office) works on normal frequency and carrier frequency installations. Some of their projects include a quartz clock, antenna frequency checks, and Drotzsch conversions (sic). Chief of the ENKO is Mix (fnu), and Dr. Hubal (fnu) is the specialist for carrier frequency and single-side band engineering (transmissions).
- d. RFT Erfurt (formerly Siemens). Dr. Hainke (fnu) is the specialist for receiving tubes, and Dipl. Ing. Baer (fnu) is the specialist for transmitter tubes, ultrasonic and shortwave generators.
- e. RFT Rochlitz makes radio sets. This firm was formerly called Graetz Radio.
- f. RFT Neuhaus/Schierschnitz makes receiving tubes and high frequency insulators.
- g. RFT Koepenick is divided as follows:
 - (1) Werk 1, Wendenschlossstrasse 154-158; administration, development, technology, and test station.
 - (2) Werk 2, Edisonstrasse; construction. An entire floor of this building is used by HV Funk of the Postal and Telecommunications Ministry. This department with a staff of approximately 30 men, is under the direction of the deputy chief Andreas (fnu).
 - (3) Werk 3, Dabendorf; (formerly Lorenz Radio). This plant is working on an 800 W naval transmitter and 'Ehrenmal' transmitter.
 - (4) Werk 4, Karl Goerdelerstrasse 46, Leipzig; (formerly Lorenz Radio).
 - (5) Werk 5, Ziernsdorf; ¹This plant is working on string-oscillographs (Schleifoscillographen).

1. Comment: As reported. Possibly Zernsdorf (N53/V-2), Peltow.